

# Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A - Pipeline Review, H2 2019

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## Abstracts

Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A - Pipeline Review, H2 2019

### SUMMARY

Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (Serine/Threonine Kinase MNB or MNB/DYRK Protein Kinase or Dual specificity YAK1 Related Kinase or HP86 or Protein Kinase Minibrain Homolog or DYRK1A or EC 2.7.12.1) - Dual specificity tyrosine-phosphorylation-regulated kinase 1A (DYRK1A) is an enzyme that is encoded by the DYRK1A gene. DYRK1A autophosphorylates on tyrosine serine and threonine residues but phosphorylate substrates only on serine or threonine residues. It plays a significant role in a signaling pathway regulating cell proliferation and involved in brain development.

Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (Serine/Threonine Kinase MNB or MNB/DYRK Protein Kinase or Dual specificity YAK1 Related Kinase or HP86 or Protein Kinase Minibrain Homolog or DYRK1A or EC 2.7.12.1) pipeline Target constitutes close to 19 molecules. Out of which approximately 16 molecules are developed by companies and remaining by the universities/institutes. The molecules developed by companies in Phase III, Phase I, Preclinical and Discovery stages are 1, 1, 10 and 4 respectively. Similarly, the universities portfolio in Preclinical and Discovery stages comprises 2 and 1 molecules, respectively. Report covers products from therapy areas Central Nervous System, Genetic Disorders, Oncology, Immunology, Dermatology, Gastrointestinal, Metabolic Disorders and Musculoskeletal Disorders which include indications Alzheimer's Disease, Down Syndrome, Glioblastoma Multiforme (GBM), Acute Lymphocytic Leukemia (ALL, Acute Lymphoblastic Leukemia),

Atopic Dermatitis (Atopic Eczema), Autoimmune Disorders, Colon Cancer, Depression, Inflammatory Bowel Disease, Knee Osteoarthritis, Lung Cancer, Osteoarthritis, Pancreatic Cancer, Parkinson's Disease, Post-Traumatic Stress Disorder (PTSD), Prostate Cancer, Psoriasis, Rheumatoid Arthritis, Solid Tumor, Systemic Lupus Erythematosus and Type 1 Diabetes (Juvenile Diabetes).

The latest report Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A - Pipeline Review, H2 2019, outlays comprehensive information on the Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (Serine/Threonine Kinase MNB or MNB/DYRK Protein Kinase or Dual specificity YAK1 Related Kinase or HP86 or Protein Kinase Minibrain Homolog or DYRK1A or EC 2.7.12.1) targeted therapeutics, complete with analysis by indications, stage of development, mechanism of action (MoA), route of administration (RoA) and molecule type. It also reviews key players involved in Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (Serine/Threonine Kinase MNB or MNB/DYRK Protein Kinase or Dual specificity YAK1 Related Kinase or HP86 or Protein Kinase Minibrain Homolog or DYRK1A or EC 2.7.12.1) targeted therapeutics development with respective active and dormant or discontinued projects.

The report is built using data and information sourced from proprietary databases, company/university websites, clinical trial registries, conferences, SEC filings, investor presentations and featured press releases from company/university sites and industry-specific third party sources.

**Note:** Certain content/sections in the pipeline guide may be removed or altered based on the availability and relevance of data.

## SCOPE

The report provides a snapshot of the global therapeutic landscape for Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (Serine/Threonine Kinase MNB or MNB/DYRK Protein Kinase or Dual specificity YAK1 Related Kinase or HP86 or Protein Kinase Minibrain Homolog or DYRK1A or EC 2.7.12.1)

The report reviews Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (Serine/Threonine Kinase MNB or MNB/DYRK Protein Kinase or Dual specificity YAK1 Related Kinase or HP86 or Protein Kinase Minibrain Homolog or DYRK1A or EC 2.7.12.1) targeted therapeutics under development by companies and universities/research institutes based on information derived

from company and industry-specific sources

The report covers pipeline products based on various stages of development ranging from pre-registration till discovery and undisclosed stages

The report features descriptive drug profiles for the pipeline products which includes, product description, descriptive MoA, R&D brief, licensing and collaboration details & other developmental activities

The report reviews key players involved in Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (Serine/Threonine Kinase MNB or MNB/DYRK Protein Kinase or Dual specificity YAK1 Related Kinase or HP86 or Protein Kinase Minibrain Homolog or DYRK1A or EC 2.7.12.1) targeted therapeutics and enlists all their major and minor projects

The report assesses Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (Serine/Threonine Kinase MNB or MNB/DYRK Protein Kinase or Dual specificity YAK1 Related Kinase or HP86 or Protein Kinase Minibrain Homolog or DYRK1A or EC 2.7.12.1) targeted therapeutics based on mechanism of action (MoA), route of administration (RoA) and molecule type

The report summarizes all the dormant and discontinued pipeline projects

The report reviews latest news and deals related to Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (Serine/Threonine Kinase MNB or MNB/DYRK Protein Kinase or Dual specificity YAK1 Related Kinase or HP86 or Protein Kinase Minibrain Homolog or DYRK1A or EC 2.7.12.1) targeted therapeutics

## **REASONS TO BUY**

Gain strategically significant competitor information, analysis, and insights to formulate effective R&D strategies

Identify emerging players with potentially strong product portfolio and create effective counter-strategies to gain competitive advantage

Identify and understand the targeted therapy areas and indications for Dual

Specificity Tyrosine Phosphorylation Regulated Kinase 1A (Serine/Threonine Kinase MNB or MNB/DYRK Protein Kinase or Dual specificity YAK1 Related Kinase or HP86 or Protein Kinase Minibrain Homolog or DYRK1A or EC 2.7.12.1)

Identify the use of drugs for target identification and drug repurposing

Identify potential new clients or partners in the target demographic

Develop strategic initiatives by understanding the focus areas of leading companies

Plan mergers and acquisitions effectively by identifying key players and it's most promising pipeline therapeutics

Devise corrective measures for pipeline projects by understanding Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (Serine/Threonine Kinase MNB or MNB/DYRK Protein Kinase or Dual specificity YAK1 Related Kinase or HP86 or Protein Kinase Minibrain Homolog or DYRK1A or EC 2.7.12.1) development landscape

Develop and design in-licensing and out-licensing strategies by identifying prospective partners with the most attractive projects to enhance and expand business potential and scope

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Involved in Therapeutics Development

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Felicitex Therapeutics Inc

KinoPharma Inc

ManRos Therapeutics

NeuroNascent Inc

Pharmasum Therapeutics AS

Samumed LLC

San Biotechnology Co Ltd

Voronoi

Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A (Serine/Threonine Kinase MNB or MNB/DYRK Protein Kinase or Dual specificity YAK1 Related Kinase or

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## Featured News & Press Releases

Nov 13, 2019: Samumed presents safety data analysis of lorecivint for Knee Osteoarthritis at the 2019 ACR Annual Meeting

Jul 18, 2019: Samumed announces publication of preclinical data demonstrating that SM07883 is a potential treatment for alzheimer's disease

Jun 19, 2019: Samumed doses first subject in phase 3 STRIDES-X-ray trial of lorecivint for the treatment of knee osteoarthritis

May 02, 2019: Samumed launches phase 3 Lorecivint (SM04690) Clinical Program in Knee Osteoarthritis

Apr 10, 2019: Samumed announces multiple presentations at the 19th World Congress on Osteoporosis, Osteoarthritis and Musculoskeletal Diseases

Apr 04, 2019: Samumed doses first subject in phase 1 trial of SM07883, a potential treatment for Alzheimer's Disease

Mar 07, 2019: Samumed to present clinical data on SM04690 at the American Academy of Orthopaedic Surgeons 2019 Annual Meeting

Feb 28, 2019: Samumed announces Positive End-of-Phase 2 Meeting with FDA for SM04690 in knee osteoarthritis

Jan 29, 2019: Samumed to present novel biological targets of SM04690 for treatment of knee osteoarthritis

Nov 05, 2018: Samumed announces multiple presentations at 6th world congress on controversies, debates & consensus in bone, muscle & joint diseases.

Oct 24, 2018: Samumed phase 2b trial in knee osteoarthritis meets primary endpoints

Oct 18, 2018: Samumed to Present Preclinical Data on SM07883 at the 11th Clinical Trials on Alzheimer's Disease (CTAD) Congress

Oct 16, 2018: Samumed to present data from phase 2b trial of SM04690 for treatment of knee osteoarthritis at 2018 American College of Rheumatology (ACR) Annual



## Meeting

Jul 27, 2018: Samumed Presents Positive Preclinical Data on SM07883 at 2018 Alzheimer's Association International Conference

Jul 17, 2018: Samumed to Present Preclinical Data on SM07883, a Potential First-in-Class Alzheimer's Disease Candidate, at the Alzheimer's Association International Conference 2018

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### COMPANIES MENTIONED

Avanti Biosciences Inc

Carna Biosciences Inc

Felicitex Therapeutics Inc

KinoPharma Inc

ManRos Therapeutics

NeuroNascent Inc

Pharmasum Therapeutics AS

Samumed LLC

San Biotechnology Co Ltd

Voronoï

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